

9/19/10

DIALOG(R)File 347:JAPIO

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02622414 **Image available**

LIP SEALING DEVICE FOR TURBOCHARGER

PUB. NO.: 63-239314 [JP 63239314 A]
PUBLISHED: October 05, 1988 (19881005)
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APPL. NO.: 62-071131 [JP 8771131]
FILED: March 25, 1987 (19870325)
INTL CLASS: [4] F02B-039/00; **F16J-015/32**
JAPIO CLASS: 21.2 (ENGINES & TURBINES, PRIME MOVERS -- Internal
 Combustion); 22.1 (MACHINERY -- Machine Elements)
JOURNAL: Section: M, Section No. 788, Vol. 13, No. 28, Pg. 69, January
 23, 1989 (19890123)

ABSTRACT

PURPOSE: To obtain a high sealing performance and also aim at reduction of the cost of manufacture by providing a retainer, through which the turbine shaft of a turbocharger penetrates, with a lip, coming into contact with the turbine shaft.

CONSTITUTION: A retainer 1, which is attached to the housing of a turbocharger so as to constitute a part thereof, partitions a compressor chamber 2 on its left side and a **bearing** chamber 3 on its right side together with the housing. In the central part of the retainer 1 is provided a through hole 4, into which a turbine **shaft** 5 penetrates and extends, and at the same time, on the **bearing** chamber 3 side end face of the retainer 1 is provided a cylindrical recessed part 6 coaxially with the through hole 4. And then, into the recessed part 6 is pressed a cylindrical spacer 7 so that it is fixed there and caused to hold the outer periphery part of a **lip** 8. The inner periphery part of the **lip** 8 is curved towards the **bearing** chamber 3 side so as to come in sliding contact with the outer periphery surface of the turbine **shaft** 5 so that a high **sealing** effect can be obtained.

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